

QUERY CONTROL FORM				RTIS USE ONLY	
Application No.	10031485	Prepared by	ewc	Tracking Number	058 71673
Examiner-GAU	Sugerman	Date	12-31-03	Week Date	12-08-03
	2873	No. of queries	- -		IFW

JACKET			
a. Serial No.	f. Foreign Priority	k. Print Claim(s)	p. PTO-1449
b. Applicant(s)	g. Disclaimer	l. Print Fig.	q. PTOL-85b
c. Continuing Data	h. Microfiche Appendix	m. Searched Column	r. Abstract
d. PCT	i. Title	n. PTO-270/328	s. Sheets/Figs
e. Domestic Priority	j. Claims Allowed	o. PTO-892	t. Other

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Supervisory Patent Examiner
Technology Center 2800

INFORMATION DISCLOSURE CITATION

ATTY. DOCKET NO.

SERIAL NO.

124-918

unknown

APPLICANT

CHEN, Cheng-Husan

(Use several sheets if necessary)

FILING DATE

GROUP

January 22, 2002

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
ee	4,756,601 A	07/1988	SCHROEDER			
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	2 296 783 A	07/1996	GB		
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ee	CHEN, C H et al; "NEW PROJECTION LENS FOR THREE-DIMENSIONAL DISPLAYS"; ELECTRONIC LETTERS; vol. 35, no. 24; 25 November 1999; pages 2137-2138; XP000961582.
	PATENT ABSTRACTS OF JAPAN; vol. 1997, no. 01; 31 January 1997 & JP 08 240788 A; 17 September 1996; Abstract; figures.
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	BORNER R; "AUTOSTEREOSCOPIC 3D-IMAGING BY FRONT AND REAR PROJECTION AND ON FLAT PANEL DISPLAYS" Display., vol. 14, no. 1; 1993; pages 39-46; XP000960395.
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*Examiner

Date Considered

05/27/2003

(ORIGINAL DATE)

SEARCH

Class Sub Date Exmr.

462-464

SEARCH NOTES

(List databases searched. Attach search strategy inside.)

Date Exmr.

359 362 01/02 ee

455-458

462-464

466

471-472

619

353 7

BREAST 01/02 ee
SEARCH
(ATTACHED)

CONSULTED w/ 01/02
PRI. EX. SUGARMAN


BREAST
SEARCH
UPDATED 04/03
(ATTACHED)

UPDATED 01/03 ee

INTERFERENCE SEARCHED

Class Sub Date Exmr.

ABOVE TO DATE 01/03 ee

Search Notes 	Application No.	Applicant(s)	
	10/031,485	CHEN, CHENG-HUAN	
	Examiner	Art Unit	
	Darryl J. Collins	2873	

SEARCHED			
Class	Subclass	Date	Examiner
Updated		10/1/2003	DJC

INTERFERENCE SEARCHED			
Class	Subclass	Date	Examiner
Above to date		10/1/2003	DJC

SEARCH NOTES (INCLUDING SEARCH STRATEGY)		
	DATE	EXMR
BRS EAST Search update (attached)	10/1/2003	DJC

Notice of References Cited	Application/Control No. 10/031,485		Applicant(s)/Patent Under Reexamination CHEN, CHENG-HUAN	
	Examiner Darryl J. Collins		Art Unit 2873	Page 1 of 1

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	B	US-6,224,214	05-2001	Martin et al.	353/7
	C	US-			
	D	US-			
	E	US-			
	F	US-			
	G	US-			
	H	US-			
	I	US-			
	J	US-			
	K	US-			
	L	US-			
	M	US-			

FOREIGN PATENT DOCUMENTS

*		Document Number Country Code-Number-Kind Code	Date MM-YYYY	Country	Name	Classification
	N					
	O					
	P					
	Q					
	R					
	S					
	T					

NON-PATENT DOCUMENTS

*		Include as applicable: Author, Title Date, Publisher, Edition or Volume, Pertinent Pages)
	U	
	V	
	W	
	X	

*A copy of this reference is not being furnished with this Office action. (See MPEP § 707.05(a).)
Dates in MM-YYYY format are publication dates. Classifications may be US or foreign.

RULE 63 (37 C.F.R. 1.63)
DECLARATION AND POWER OF ATTORNEY
FOR PATENT APPLICATION
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

As a below named inventor, I hereby declare that my residence, post office address and citizenship are as stated below next to my name, and I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Compound Lens Arrangement For Use In Lens Arrays

the specification of which (check applicable box(es)):

☐ is attached hereto

☐ was filed on _____

☒ was filed as PCT International application No. _____

as U.S. Application Serial No. _____

Atty Dkt. No. P2747/US\

PCT/GB00/02736

on 17-Jul-2000

and (if applicable to U.S. or PCT application) was amended on _____

12/06/2001

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above. I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. 1.56. I hereby claim foreign priority benefits under 35 U.S.C. 119/365 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed or, if no priority is claimed, before the filing date of this application:

Priority Foreign Application(s):

Application Number

Country

Day/Month/Year Filed

9916715.7

GB

19-Jul-199

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

Application Number

Date/Month/Year Filed

I hereby claim the benefit under 35 U.S.C. 120/365 of all prior United States and PCT international applications listed above or below and, insofar as the subject matter of each of the claims of this application is not disclosed in such prior applications in the manner provided by the first paragraph of 35 U.S.C. 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. 1.56 which occurred between the filing date of the prior applications and the national or PCT international filing date of this application:

Prior U.S./PCT Application(s):

Application Serial No.

Day/Month/Year Filed

Status: patente

pending, abandoned

PCT/GB00/02736

17-Jul-2000

PENDING

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. And I hereby appoint **NIXON & VANDERHYE P.C., 1100 North Glebe Rd., 8th Floor, Arlington, VA 22201-4714, telephone number (703) 816-4000 (to whom all communications are to be directed)**, and the following attorneys thereof (of the same address) individually and collectively my attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith and with the resulting patent: Arthur R. Crawford, 25327; Larry S. Nixon, 25640; Robert A. Vanderhye, 27076; James T. Hosmer, 30184; Robert W. Faris, 31352; Richard G. Besha, 22770; Mark E. Nusbaum, 32348; Michael J. Keenan, 32106; Bryan H. Davidson, 30251; Stanley C. Spooner, 27393; Leonard C. Mitchard, 29009; Duane M. Byers, 33363; Jeffrey H. Nelson, 30481; John R. Lastova, 33149; H. Warren Bumam, Jr. 29366; Thomas E. Byrne, 32205; Mary J. Wilson, 32955; J. Scott Davidson, 33489; Alan M. Kagen, 36178; William J. Griffin, 31260; Robert A. Molan, 29834; B. J. Sadoff, 36663; James D. Berquist, 34776; Updeep S. Gill, 37334; Michael J. Shea, 34725; Donald L. Jackson, 41090; Michelle N. Lester, 32331.*

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 Inventor: _____ (first) MI (last) _____ (citizenship)
 Residence: (city) _____ (state/country) _____
 Post Office Address: _____
 (Zip Code) _____

FOR ADDITIONAL INVENTORS, check box ☐ and attach sheet with same information and signature and date for each.

rear surface (b) of the front lens element (62). The second lens element (74) is made of SSK2 SCHOTT glass and has a front surface (c) with a radius of curvature 9.56mm and a rear surface (d) with a radius of curvature -37.45mm and a thickness along its optical axis (42) of 1.72mm. A third lens element (76) is located behind the rear surface (d) of the second lens element (74) at a distance along the optical axis (42) of the lens elements of 0.93mm. The third lens element (73) is made of SF58 SCHOTT glass and has a front surface (e) with a radius of curvature -22.30mm and a rear surface (f) with a radius of curvature of 7.44mm and a thickness along its optical axis (42) of 4.23mm. A rear lens element (78) made of SF58 SCHOTT glass is located behind the rear surface (f) of the third lens element (76) at a distance along the optical axis (42) of the lens elements of 0.50mm. The rear lens element (78) has a front surface (g) with a radius of curvature of 22.46mm and a rear surface (h) with a radius of curvature of -28.64mm and a thickness along its optical axis (42) of 4.60mm.

The exit pupil of the compound lens (70) is located in the plane (46) shown in dotted lines in Figure 6 and is bounded by the circumference of the front surface (a) of the front lens element (62).